

ACCEPTED VENDORS:
ALLIED ELECTRONICS
7151 JACK NEWELL BLVD. S.
FORT WORTH, TX 76118
866-433-5722

NEWARK ELEMENT 14
33190 COLLECTION CENTER DRIVE
CHICAGO, IL 60693-0331
800-463-9275

DIGI-KEY ELECTRONICS
701 BROOKS AVENUE SOUTH
PO BOX 677
THIEF RIVER FALLS MN 56701-0677
800-344-4539

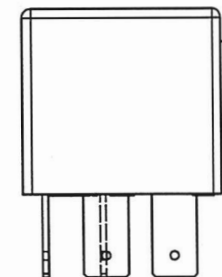
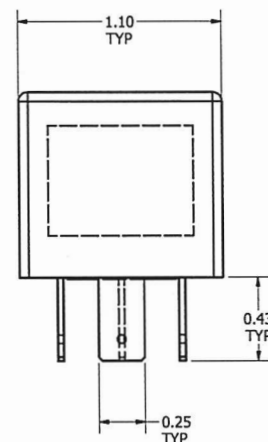
MANUFACTURER:
TE CONNECTIVITY

RATED VOLTAGE: 24VDC
LIMITING CONTINUOUS CURRENT: 45A AT NORMALLY CLOSED 23°C, 30A AT 85°C
RATED COIL POWER: 2.1W
OPERATING TEMP: -40C TO 125C
DEGREE OF PROTECTION, IEC 60529: IP54 (DUSTPROOF), IP67 (SEALED)
TERMINAL TYPE: QUICK DISCONNECT
FLAMMABILITY: UL94-HB

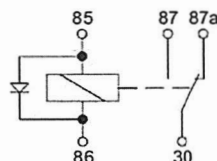
REVISION HISTORY					
REV	DATE	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
A	9/5/17	INITIAL RELEASE	JT	LS	JT
B	10/31/18	ADDED REV BLOCK; ADDED FLAMMABILITY RATING; ADDED TEMPERATURE CONSTRAINTS TO LIMITING CONTINUOUS CURRENT; FIXED -1 MANUFACTURER PART NO. WAS V23134A10056X432 NOW V23134A0056X432; ADDED SHT 2 W/ -3 PART.	ZA	LS	CR

PART NO.	MANUFACTURER PART NO.	DIODE	ALLIED ELECTRONICS P/N	NEWARK ELEMENT 14 P/N	DIGI-KEY ELECTRONICS P/N	MOUSER ELECTRONICS P/N	VELVAC P/N
ES50186-1	1-1414167-0 (V23134A0056X432)	YES	N/A	94T6087	1-1414167-0-ND	655-1-1414167-0	N/A
ES50186-2	6-1393302-3 (V23134A1053C643)	NO	70289065	31M6174	A122268-ND	655-V23134A1053C643	N/A
ES50186-3	091236	NO	N/A	N/A	N/A	N/A	091236

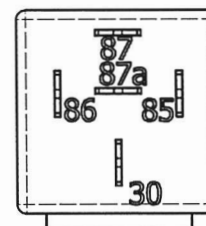
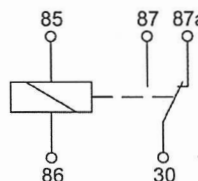
MOUSER ELECTRONICS
1000 NORTH MAIN ST
MANSFIELD, TX 76063
800-346-6873



ES50186-1
COD
1 form C, 1 CO
with diode



ES50186-2 & -3
1 form C, 1 CO



TERMINAL DESCRIPTION	
TERMINAL NO.	FUNCTION
30	LOAD IN
85	COIL
86	COIL
87	CONTACT NO
87a	CONTACT NC

NOTE:

This drawing defines the overall geometry and performance specifications of the part/assembly, and constitutes the acceptance criteria thereof. Only the item(s) described in this document procured from the vendor and/or manufacturer listed hereon are approved for use. A substitute item shall not be used without prior approval. Conformance of hardware to these requirements is acceptable in lieu of vendor and/or manufacturer documentation.

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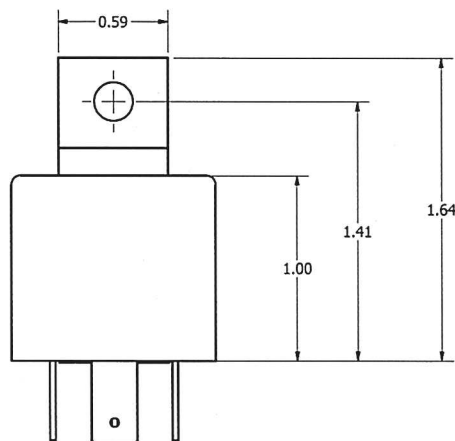
Paravion® Technology Inc.		TITLE		DRAWING NUMBER	
RELAY, 40AMP		ES50186			
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: X = ±.1 .XX = ±.05 XXX = ±.010 ANGLES = ± 1°	DRAWN BY JT	CHK'D BY LS	APPRO'D BY JT	DATE 9/6/17	REV B
THREADS INTERNAL CLASS 2B EXTERNAL CLASS 2A	DO NOT SCALE DRAWING			SHEET 1 OF 2	
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NOTES:

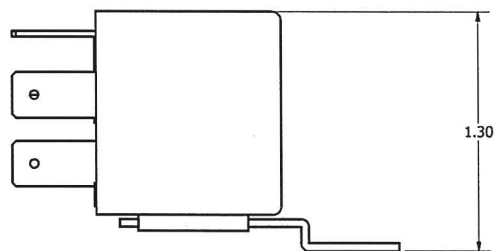
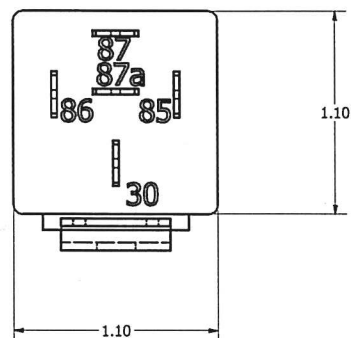
1. THIS DRAWING DEFINES THE OVERALL GEOMETRY AND PERFORMANCE SPECIFICATION OF THE PART/ASSEMBLY, AND CONSTITUTES THE ACCEPTANCE CRITERIA THEREOF. CONFORMANCE OF HARDWARE TO THESE REQUIREMENTS IS ACCEPTABLE IN LIEU OF VENDOR DOCUMENTATION.
2. ACCEPTED MFR'R: VELVAC.
3. SEE DATA SHEET FOR DETAILED INFORMATION.

-3 RELAY

DASH NO.	MFR P/N	DESCRIPTION	VOLTS COIL	WATTS COIL	VOLTS CONTACT	AMPS CONTACT	WEIGHT (OZ)
-3	091236	RELAY	24	1.6	24	20	1.3



TERMINAL DESCRIPTION	
TERMINAL NO.	FUNCTION
30	LOAD IN
85	COIL
86	COIL
87	CONTACT NO
87a	CONTACT NC



Paravion® Inc.		TITLE		DRAWING NUMBER	
RELAY, 40AMP		ES50186			
DRAWN BY	CHK'D BY	APP'D BY	DATE	REV	ECO
JT	LS	JT	9/6/17	B	
DO NOT SCALE DRAWING				SHEET	
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TOLERANCES EXCEPT
WHERE NOTED
X = ±.1
XX = ±.05
XXX = ±.010
ANGLES = ± 1°
THREADS
INTERNAL: CLASS 2B
EXTERNAL: CLASS 2A



3RD ANGLE PROJECTION